

Listing of Claims

Claim 1 (Currently Amended): A cationic electrodeposition coating composition containing (A) an unsaturated group-modified cationic epoxy resin having a cationic group, (B) a blocked polyisocyanate crosslinking agent, and (C) a photopolymerization initiator, the unsaturated group-modified cationic epoxy resin (A) having the cationic group being obtained by reacting an epoxy resin (a) having an epoxy equivalent of 180 to 2500 with an unsaturated group-containing compound (b) and a cationic group-containing compound (c).

Claim 2 (Cancelled)

Claim 3 (Currently Amended): A cationic electrodeposition coating composition as claimed in Claim 1, wherein the unsaturated group-modified cationic epoxy resin (A) having the cationic group has an unsaturated group equivalent of 6000 or less.

Claim 4 (Currently Amended): A cationic electrodeposition coating composition as claimed in Claim 1, wherein the epoxy resin (a) having an epoxy equivalent of 180 to 2500 ~~in the unsaturated group-modified cationic epoxy resin (A)~~ is obtained by reacting a polyphenol compound and an epihalohydrin.

Claim 5 (Currently Amended): A cationic electrodeposition coating composition as claimed in Claim 1, wherein the cationic electrodeposition coating composition further contains a polymerizable unsaturated group-containing compound (B) ~~(D)~~.

Claim 6 (Withdrawn): A mono-layer coating film-forming method, which comprises subjecting a cationic electrodeposition coating composition as the cationic coating composition as claimed in Claim 1 to an electrodeposition coating to form an

electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono-layer coating film.

Claim 7 (Withdrawn): A multi-layer coating film-forming method which comprises the following successive steps (1) to (4): a step (1) of coating the cationic coating composition as claimed in Claim 1 onto a coating substrate to form a cationic coating film, a step (2) of subjecting the cationic coating film formed in the step (1) to irradiation, a step (3) of coating an intercoat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film, and a step (4) of simultaneously heating and curing the cationic coating film, and the intercoat coating film and/or the topcoating film.

Claim 8 (Withdrawn): A multi-layer coating film-forming method as claimed in Claim 7, wherein the cationic coating film formed by the step (1) in paragraph 7 is preheated at a temperature of 60 to 120°C.

Claim 9 (Withdrawn): A multi-layer coating film-forming method as claimed in Claim 7, wherein the cationic coating composition is a cationic electrodeposition coating composition.

Claim 10 (Withdrawn): A coated product obtained by any one of the methods as claimed in Claim 6.

Claim 11 (Withdrawn): A mono-layer coating film-forming method, which comprises subjecting a cationic electrodeposition coating composition as the

cationic coating composition as claimed in Claim 2 to an electrodeposition coating to form an electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono- layer coating film.

Claim 12 (Withdrawn): A mono-layer coating film-forming method, which comprises subjecting a cationic electrodeposition coating composition as the cationic coating composition as claimed in Claim 3 to an electrodeposition coating to form an electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono- layer coating film.

Claim 13 (Withdrawn): A mono-layer coating film-forming method, which comprises subjecting a cationic electrodeposition coating composition as the cationic coating composition as claimed in Claim 4 to an electrodeposition coating to form an electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono- layer coating film.

Claim 14 (Withdrawn): A mono-layer coating film-forming method, which comprises subjecting a cationic electrodeposition coating composition as the cationic coating composition as claimed in Claim 5 to an electrodeposition coating to form an electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono-layer coating film.

Claim 15 (Withdrawn): A multi-layer coating film-forming method which comprises the following successive steps (1) to (4): a step (1) of coating the cationic coating composition as claimed in Claim 2 onto a coating substrate to form a cationic coating, a step (2) of subjecting the cationic coating film formed in the step (1) to

irradiation, a step (3) of coating an intercoat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film, and a step (4) of simultaneously heating and curing the cationic coating film, and the intercoat coating film and/or the topcoating film.

Claim 16 (Withdrawn): A multi-layer coating film-forming method which comprises the following successive steps (1) to (4): a step (1) of coating the cationic coating composition as claimed in Claim 3 onto a coating substrate to form a cationic coating film, a step (2) of subjecting the cationic coating film formed in the step (1) to irradiation, a step (3) of coating an intercoat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film, and a step (4) of simultaneously heating and curing the cationic coating film, and the intercoat coating film and/or the topcoating film.

Claim 17 (Withdrawn): A multi-layer coating film-forming method which comprises the following successive steps (1) to (4): a step (1) of coating the cationic coating composition as claimed in Claim 4 onto a coating substrate to form a cationic coating film, a step (2) of subjecting the cationic coating film formed in the step (1) to irradiation, a step (3) of coating an intercoat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film and a step (4) of simultaneously heating and curing the cationic coating film, and the intercoat coating film and/or the topcoating film.

Claim 18 (Withdrawn): A multi-layer coating film-forming method which comprises the following successive steps (1) to (4): a step (1) of coating the cationic

coating composition as claimed in Claim 5 onto a coating substrate to form a cationic coating film, a step (2) of subjecting the cationic coating film formed in the step (1) to irradiation, a step (3) of coating an inter coat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film, and a step (4) of simultaneously heating and curing the cationic coating film. and the intercoat coating film and/or the topcoating film.

Claim 19 (Withdrawn): A coated product obtained by anyone of the methods as claimed in Claim 7.

Claim 20 (Withdrawn): A coated product obtained by anyone of the methods as claimed in Claim 8.

Claim 21 (Withdrawn): A coated product obtained by anyone of the methods as claimed in Claim 9.